

# U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION  
Bureau of Labor Standards

DPM 392

## MATERIAL SAFETY DATA SHEET

### SECTION I

MANUFACTURER'S NAME <b>EXXON COMPANY, U.S.A. (A Division of Exxon Corporation)</b>		EMERGENCY TELEPHONE NO. <b>A.C. 713</b> <b>Day 221-3424; Night 668-7024</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>P.O. Box 2180 Houston, Texas 77001</b>		<b>622-1422</b>
CHEMICAL NAME AND SYNONYMS <b>Hydraulic Oil</b>	TRADE NAME AND SYNONYMS <b>UNIVIS PJ 42</b>	
CHEMICAL FAMILY <b>Petroleum Hydrocarbon</b>	FORMULA <b>Complex mixture of petroleum hydrocarbons</b>	

### SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		n.a.	BASE METAL		n.a.
CATALYST		n.a.	ALLOYS		n.a.
VEHICLE		n.a.	METALLIC COATINGS		n.a.
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		n.a.
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
This product is not classified as a "Hazardous Material" in normal use as defined in U.S. Department of Labor Regulations 29 CFR Parts 1501, 1502, and 1503.		

### SECTION III PHYSICAL DATA

BOILING POINT (°F.) IBP	435	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.868
VAPOR PRESSURE (mm Hg.) @ 100°F	<1.0	PERCENT VOLATILE BY VOLUME (%)	Negligible
VAPOR DENSITY (AIR=1)	>6	EVAPORATION RATE (n-Butyl Acetate = 1)	<0.01
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Clear red color. Mild petroleum odor. /		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <b>Cleveland Open Cup 210°F</b>	FLAMMABLE LIMITS	LeI <b>1%</b>	UeI <b>6%</b>
EXTINGUISHING MEDIA <b>Foam, dry chemical, CO<sub>2</sub>, water spray or fog.</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>Use air-supplied rescue equipment for enclosed areas.</b>			
<b>Cool exposed containers with water.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Do not store or mix with strong oxidants.</b>			

n.a. = not applicable

2/5/73

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE  
5 mg/m<sup>3</sup> for oil mist.

EFFECTS OF OVEREXPOSURE

Prolonged or repeated skin contact may cause mild skin irritation.

EMERGENCY AND FIRST AID PROCEDURES

If ingested do not induce vomiting, call a physician. Remove contaminated clothing and wash skin with soap and water. In case of contact with eyes, flush eyes with water until irritation subsides.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

Strong oxidants like liquid chlorine and concentrated oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide in the case of incomplete combustion.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Recover free liquid. Add absorbent to spill area. Ventilate enclosed spaces.

Keep petroleum products out of streams and waterways.

WASTE DISPOSAL METHOD

Incinerate absorbed material.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Normally not needed.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Face velocity > 60 fpm	
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES

Normally not needed.

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

Oil-impervious apron if needed.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed. Keep away from heat and open flame.

OTHER PRECAUTIONS

Avoid prolonged or repeated contact with skin. Remove contaminated clothing.

Wash skin with soap and water after contact.

James W. Hammond  
Director of Industrial Hygiene

Wm. G. Domask  
Government Regulations Advisor